

ORTHOSES

ABSTRACT OF THE DISCLOSURE

Orthoses with microprocessor control placed around the joint of a patient are used to perform and to monitor isometric, range-of-motion, proprioception and isotonic exercises of the joint. A variety of improved hardware elements result in an orthosis that is easier to use and interacts more efficiently with the controller to allow the monitoring of a greater range of motions while holding down cost and provide suitable accurate evaluation of the exercises. Efficient ways of programming the exercises, monitoring the exercises and evaluating the exercise provide a comprehensive program for the rehabilitation of an injured or weakened joint.